

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method, comprising:
mapping, by an operating system, a range of virtual addresses to a range of physical addresses, wherein a subset of the range of virtual addresses is identity-mapped to a subset of the range of physical addresses; and
passing a virtual address pointer associated with the subset of the range of virtual addresses to a direct memory access module.
2. (Original) The method of claim 1, wherein the subset of the range of virtual addresses comprises at least a portion of a page table.
3. (Original) The method of claim 1, wherein mapping further comprises:
selecting a start address of the subset of the range of physical addresses; and
selecting a size of the subset of the range of physical addresses.
4. (Original) The method of claim 1, wherein mapping further comprises:
selecting a number of pages to reserve as the subset of the range of physical addresses.
5. (Currently Amended) The method of claim 1, further comprising:
allocating the subset of the range of physical addresses for use by the [[a]] direct memory access module.
6. (Original) The method of claim 5, further comprising:
re-allocating the subset of the range of physical addresses for use by the direct memory access module.

7. (Original) The method of claim 5, further comprising:
requesting an increase in a size of the subset of the range of physical addresses.
8. (Currently Amended) An article comprising a machine-accessible medium having associated data, wherein the data, when accessed, results in a machine performing:
mapping, by an operating system, a range of virtual addresses to a range of physical addresses, wherein a subset of the range of virtual addresses is identity-mapped to a subset of the range of physical addresses; and
passing a virtual address pointer associated with the subset of the range of virtual addresses to a direct memory access module.
9. (Currently Amended) The article of claim 8, wherein the data, when accessed, results in the machine performing:
storing application data in the subset of the range of virtual addresses; ~~and~~
~~—passing a virtual address pointer associated with the subset of the range of virtual addresses to a direct memory access module.~~
10. (Currently Amended) The article of claim 8, wherein the data, when accessed, results in the machine performing:
determining a need to transfer application data using the ~~the~~ [[a]] direct memory access module; and
storing the application data in the subset of the range of physical addresses by writing the application data to the subset of the range of virtual addresses.
11. (Currently Amended) The article of claim 8, wherein the data, when accessed, results in the machine performing:

transferring application data between the subset of the range of virtual addresses and a peripheral device by passing the ~~the~~ [[a]] virtual pointer associated with the subset of the range of virtual addresses to the ~~the~~ [[a]] direct memory access module.

12. (Original) The article of claim 8, wherein the data, when accessed, results in the machine performing:

transferring the application data between the subset of the range of virtual addresses and a first-in first-out memory included in a peripheral device.

13. (Currently Amended) An apparatus, comprising:

a mapped memory having a range of physical addresses; and

a direct memory access module to receive a virtual pointer to a subset of a range of virtual addresses that is identity-mapped to the range of physical addresses and to transfer data between the range of physical addresses and a peripheral memory using a direct memory access operation~~a register associated with the mapped memory to indicate a subset of a range of virtual addresses that is identity-mapped to a subset of the range of physical addresses.~~

14. (Currently Amended) The apparatus of claim 13, further comprising:

a register associated with the mapped memory to indicate that the subset of the range of virtual addresses is identity-mapped to the range of physical addresses~~a module to receive a pointer to the subset of the range of virtual addresses and to transfer data between the subset of the range of physical addresses and a peripheral memory using a direct memory access operation.~~

15. (Original) The apparatus of claim 14, wherein the peripheral memory comprises a first-in first-out memory.

16. (Original) The apparatus of claim 13, further comprising:

a processor associated with a memory map including at least one fixed address included in the range of physical addresses.

17. (Original) The apparatus of claim 13, further comprising:

a buffer allocated from the subset of the range of physical addresses.

18. (Currently Amended) A system, comprising:

a peripheral memory;

a mapped memory having a range of physical addresses;

a direct memory access module to be coupled to the peripheral memory and to the mapped memory, wherein a subset of a range of virtual addresses associated with the mapped memory is identity-mapped to the range of physical addresses, and wherein a virtual pointer associated with the subset is to be received by the direct memory access module; and

a display to be coupled to the peripheral memory.

19. (Original) The system of claim 18, wherein the peripheral memory comprises a graphics frame buffer.

20. (Currently Amended) The system of claim 18, further comprising:

an application module including the ~~the~~ [[a]] virtual pointer-associated with the range of ~~virtual addresses~~, wherein application data processed by the application module can be communicated between the range of virtual addresses and the peripheral memory by passing the virtual pointer to a direct memory access module.

21. (Currently Amended) The system of claim 18, wherein the direct memory access module is to transfer application data from the subset of the range of physical addresses to the peripheral memory in response to receiving the ~~the~~ [[a]] virtual pointer ~~to the subset of the range of virtual addresses~~.